					Bride	o Culve	ort Inch	oction						
Bridge File Nur	File Number 73156 -1 Bridge Culvert				Billug	e Cuive	ert Inspection Form Type		CUL1					
Bridge File Number 73156 -1 Bridge Culvert Year Built 1960						Lot No			4					
Bridge or Town				Inspector Name		Garry Roberts								
Located Over	IName		- ARY TO NOSE	CREEK	2 13	32.5	Inspector Class		BR CLS A					
Localed Over		WATER	CRS-ST				Assistant Name		DR CL3 A					
Located On 567:04 C1 7.469							Assistant Class							
Water Body Cl./Year					Inspection Date				25-Jul-2012					
Navigabil. Cl./Year							Data Entry By			Lauren Korte				
Legal Land Location NE SEC 1			10 TWP 27 RGE 1 W5M				Data Entry Date		30-Aug-2012					
		31, 51:18:00			Reviewer Name		Tom Carey							
Road Authority Alberta Tr			Fransportation (AIT)				Review Date		07-Aug-2012					
Contract Main.	Area	CMA29						Dept. Reviewer Name						
Clear Roadway	/Skew	9.3 /					Dept. Review Date		06-Sep-2012					
AADT/Year		2,240 / 2	011 (A)				Follow-Up By		33 35P 23.2					
Road Classifica	ation	RCU-20	9-110	9-110			. Clott op by							
Detour Length		6												
Bridge Culver														
Number of Culv			<u>1</u> -			I_				I	I	1		
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN			2000		MP		37.8		68X13	2.8	ROUND		
Special Feature				2000		1111	37.0			100/110				
Special Feature		ment (CSP liner in ori	ginal SPC	CSP.									
Operation Cartain				ga. C. C										
					Uti	ilities (L	ocated	at)						
Utility Attachme	ents													
Telephone	South						Gas							
Power	North	n ROW.					Munici							
Others							Proble	m (Y/N)	No					
Remarks														
				A	_	_	1	ankment	ondi	tion				
Horizontal Align	nment				5	5	Explanation of Condition Curve to East.							
Horizontal Alignment Vertical Alignment			5	5	Hills East and West. Entrance 100m West.									
					Entran	ce 100m W	est.							
Roadway Width	n (m)		9.300											
Embankment					5	5	Steep	slope side :	at So	uth side.				
Sideslope (_:1)		1.1											
(Height of Co		4.8)												
Guardrail (Y/N)			Yes											
,														
Approach Roa	id / Eml	bankmen	t General Rat	ing	5	5								
						Upstre	am Enc							
Culvert Compo	onent				Last	Now		ation of C	ondi	tion				
Direction			N North.											
End Treatment Others, None)	(Concre	ete, Steel	, STEEL											
Headwall					7	7	Steel p	late bulkhe	ad.					
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)					<u></u>									
Cutoff Wall			Х	X										

			Linatra	om End
Culvert Component		Last	Now	am End Explanation of Condition
Bevel End		6	6	Explanation of Condition
Heaving (mm)	150	0	0	
Invert Above/Below Stream Bed				
Above/Below (mm)	150			
Scour Protection	150	7	7	
		1	1	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200) Scour/Erosion		7	7	
Scourerosion		'	'	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Brid	dge C <u>u</u>	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			, Rise (mm): 2000, Type: MP)
Barrel Last Accessible Date	25-Jul-2012			
Special Features				
Special Feature				Barrel is 2000 mm MP liner in original 2450 mm SP.
(Type:)				Barrel is 2000 mm MP liner in original 2450 mm SP. Barrel deformed (bulge) from 7.0 m to 11.0 m from U/S from
Special Feature				installation.
(Type:)				
Roof		5	5	
Measured Rise (mm)	1722			
Measured At Ring No.	1122			
Sag (mm)	278			
Percent Sag	12			
Sidewall	12	5	5	Measured diagonally & marked - no change diagonal.
Measured Span (mm)	2252	5	<u> </u>	ineasured diagonally & marked - no change diagonal.
• • • • • • • • • • • • • • • • • • • •	2232			
Measured At Ring No. Deflection (mm)	252			
Percent Deflection	12			
	12			Landing deviation from the talleting and appearing
Floor	250	5	5	Localized bulging from installation and grouting.
Bulge (mm)	250			
Measured At Ring No.	No			
Abrasion (Y/N)	No		-	
Circumferential Seams		6	6	Welded.
Separation (mm)	0			
Longitudinal Seams	T -	X	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		6	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bri	dge Cu	Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2000, Type: MP)				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)		'						
Waterway Adequacy		7	7	D/S 1/2 silt up to 300mm deep.				
Icing (Y/N)	No			i '				
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel General Rating			5	General rating roof & sidewall rating raised from 3 to 5 due to distortion as built and liner encased in concrete no change from last inspection.				
				ream End				
Culvert Component			Now	Explanation of Condition				
Direction		S		South.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		7	7	Steel plate bulkhead.				
Collar		Х	X					
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		7	7					
Heaving (mm)	100							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	100							
Scour Protection		5	5	Wide shallow scour hole @ D/S.				
(Type: RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		5	5					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	5					
		5	Structu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)			_					
Alignment		7	7					
Bank Stability		7	7					
HWM (m below Top of Culvert)				NO HWM VISIBLE.				
Drift (Y/N)	No							
Channel Bottom NONE Degrading/Aggrading								
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	·							
Channel General Rating		7	7					

		Maintenance R	ecommend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/5	Sufficiency Rating (Last/	Now)	62.7/61.0	Est. Repl. Yr	2035	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Assistant's Name						
Next Inspection Date	25-Oct-2015		Inspection Date						
Inspection Cycle (Default) (months)	39								
Comment									